

ABSTRACT

The present invention provides an acoustic vibration analyzing apparatus for carrying out acoustic vibration analysis by picking up data of sounds generated due to rotation of a plurality of gears and data of the number of revolutions of a gear selected from a plurality of gears when a transmission of a vehicle having the plurality of gears operates. The acoustic vibration analyzing apparatus comprises an acoustic vibration calculation portion for analyzing acoustic data in terms of frequency, an order calculation portion for calculating an order in compliance with the specifications of a plurality of gears, a speed calculation portion for calculating the speed of a vehicle, and a display unit for displaying acoustic pressure levels with the order and vehicle speed associated therewith.